



iQ LED TAPE LIGHT **3535 CHIP SERIES**  
**iQ20 5.3 W/ft. MULTI-COLOR**  
 DRY RATED



Q-Tran's iQ20 tape light is now available in a High Density RGB providing up to 224 lumens per foot of color changing ability. RGB refers to ability of each color to produce the primary colors red, green and blue. This color changing LED is a great light source for any interior architectural color changing application. The tight pitch of the LED's allows for a seamless, diode-free look in many of our compatible extrusions.

**iQ20 - MC - 35 - 5.3 -**

iQ Series      Color      Chip      Watts Per FT      Length

**FEATURES**

- LED life time - 50,000 hours
- Operating temperature: -4°F ~ +113°F
- Suitable for Dry locations
- Non-Ferrous Material
- 1.97" cut points
- Field cuttable
- 3 year warranty

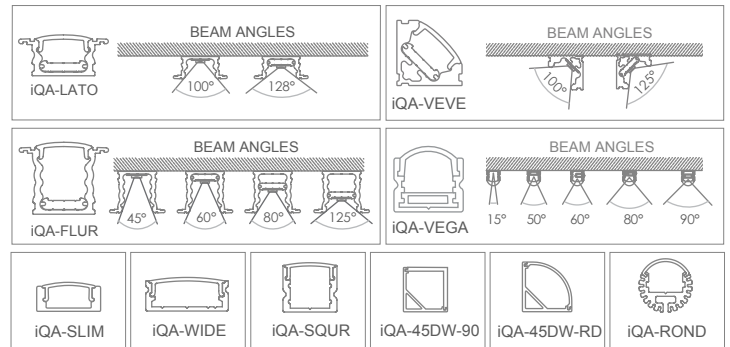
**iQ20-MC-35-5.3**

Max Run / Reel Length: 21ft\* | Color: RGB | LM: 79  
 Voltage: 24VDC | Watts Per Ft: 5.3

Lumens Per Ft: Red = 63  
 Lumens Per Ft: Green = 156  
 Lumens Per Ft: Blue = 26  
 Lumens Per Ft: All = 224

\*Maximum length for one run of iQ20 LED Multi-color. Individual power supply cut sheets will provide max distance/loads per power supply.

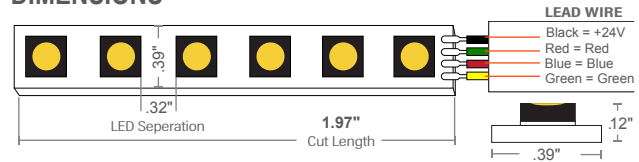
**COMPATIBLE EXTRUSIONS**



**COMPATIBLE POWER SUPPLIES**

- Indoor**
- QTM-eLED-DMX
  - QTM-DRIVE

**DIMENSIONS**



**NOTE** • Q-Tran offers multiple LED Chip offerings based upon size and pitch, each utilizing its own binning. Utilization of multiple outputs within the same chip family will ensure flawless color matching and similar overall diffusion.  
 • Field modifications of factory installed LEDs are not covered under Q-Tran warranty.



Cut marks of LED tape allows for changes in the field.  
**5.3 watts per foot = cut every 1.97"**  
 Lead wire comes standard on all LEDs in 18" (22/4 AWG)

2017.V01

PROJECT NAME	DATE	COMPANY	TYPE	NOTE



iQ LED PHOTOMETRIC

# iQ20 ALL and BL W/Ft

## iQ20-MC-35-5.3-ALL

Light efficiency:

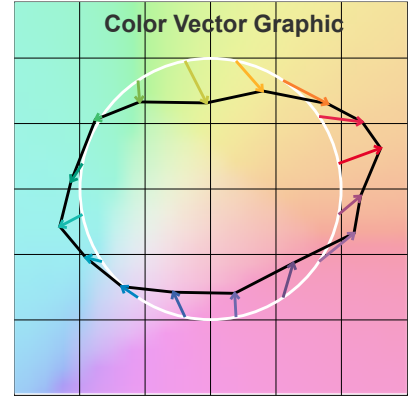
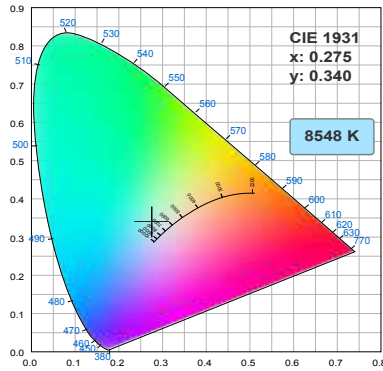
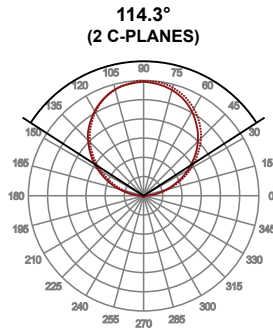
42 Lumen/Watt

CRI:

49.2

Color temperature:

8548K



Electrical Test Condition for 1 foot

**Output:** 224 lm/ft **Peak:** 75.1 cd **Power:** 5.3 W/ft **24V@ 0.22A**

### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
8548 K	49.2	-168.1	47.8	95.5	45.3	0.275	0.340	0.168	0.312	0.0251

CRI R Values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
40.6	64.9	69.2	54.5	58.3	54.5	51.1	0.5	-168.1	13.1	47.5	67.4	44.3	80.2	24.4

### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
114.3°	164.9°	179.2°	76.2%	51.6%

Beam Intensities in Footcandles (from 1-20m)

3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
6.9	1.7	0.8	0.4	0.3	0.2	0.1	0	0.1	0.1

Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	31	34%	5%
2	31	27%	-22%
3	22	11%	-45%
4	27	-15%	-37%
5	32	-34%	-19%
6	67	-14%	12%
7	77	3%	6%
8	59	7%	18%
9	67	19%	6%
10	67	9%	-11%
11	49	1%	-19%
12	55	-16%	-19%
13	62	-18%	4%
14	39	-15%	32%
15	48	15%	37%
16	49	15%	19%

## iQ20-MC-35-5.3-BL

Light efficiency:

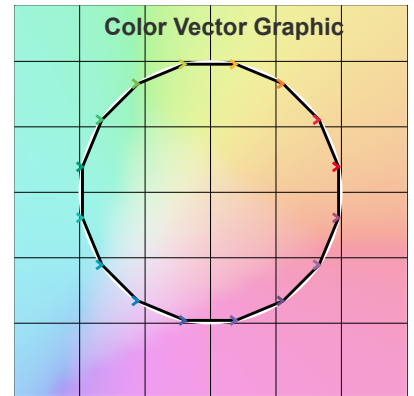
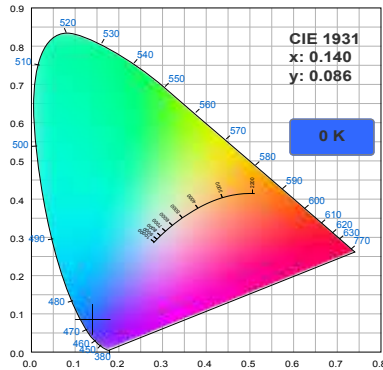
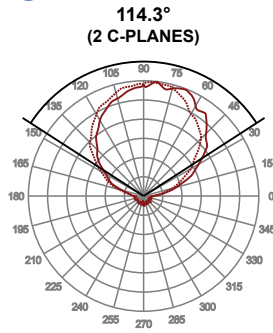
22 Lumen/Watt

CRI:

0.0

Color temperature:

0K



Electrical Test Condition for 1 foot

**Output:** 26.2 lm/ft **Peak:** 7.63 cd **Power:** 1.2 W/ft **24V@ 0.05A**

### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.140	0.086	0.149	0.138	n/a

CRI R Values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
114.3°	174.8°	360°	65.2%	43.9%

Beam Intensities in Footcandles (from 1-20m)

3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
0.7	0.2	0.1	0	0	0	0	0	0	0

Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



iQ LED PHOTOMETRIC

# iQ20 GR and RD W/Ft

## iQ20-MC-35-5.3-GR

Light efficiency:

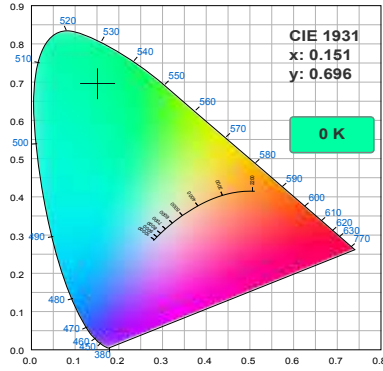
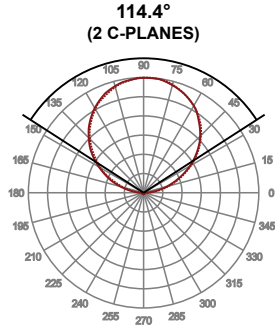
**65 Lumen/Watt**

CRI:

**0.0**

Color temperature:

**0K**



Electrical Test Condition for 1 foot

**Output:** 156 lm/ft **Peak:** 51.4 cd **Power:** 2.4 W/ft **24V@ 0.1A**

### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.151	0.696	0.055	0.378	n/a

CRI R Values, only R1-R8 are used to calculate final CRI value

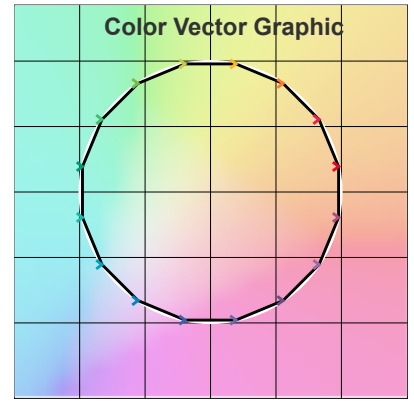
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
114.4°	164.9°	180.6°	75.6%	51.2%

Beam Intensities in Footcandles (from 1-20m)

3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
4.8	1.2	0.5	0.3	0.2	0.1	0.1	0	0.1	0



Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

## iQ20-MC-35-5.3-RD

Light efficiency:

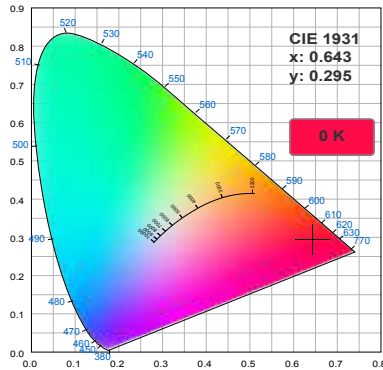
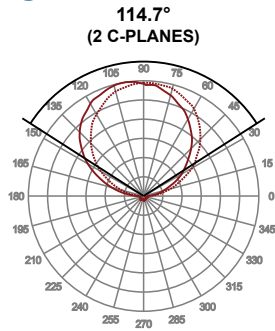
**33 Lumen/Watt**

CRI:

**0.0**

Color temperature:

**0K**



Electrical Test Condition for 1 foot

**Output:** 63.1 lm/ft **Peak:** 19.7 cd **Power:** 1.9 W/ft **24V@ 0.08A**

### COLOR PARAMETERS

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.643	0.295	0.489	0.337	n/a

CRI R Values, only R1-R8 are used to calculate final CRI value

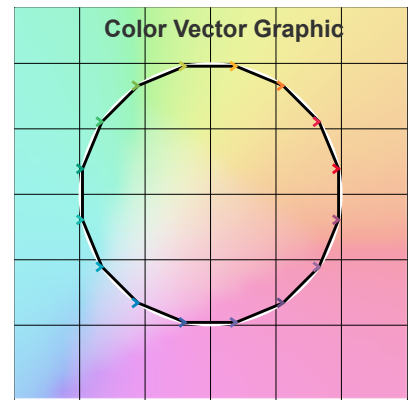
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

### BEAM DETAILS

Beam angle 50%	Field angle 50%	Cutoff angle 2.5%	Intensity ratio in 120°cone	Intensity ratio in 90°cone
114.7°	168.9°	360°	71.0%	47.9%

Beam Intensities in Footcandles (from 1-20m)

3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
1.8	0.4	0.2	0.1	0.1	0	0	0	0	0

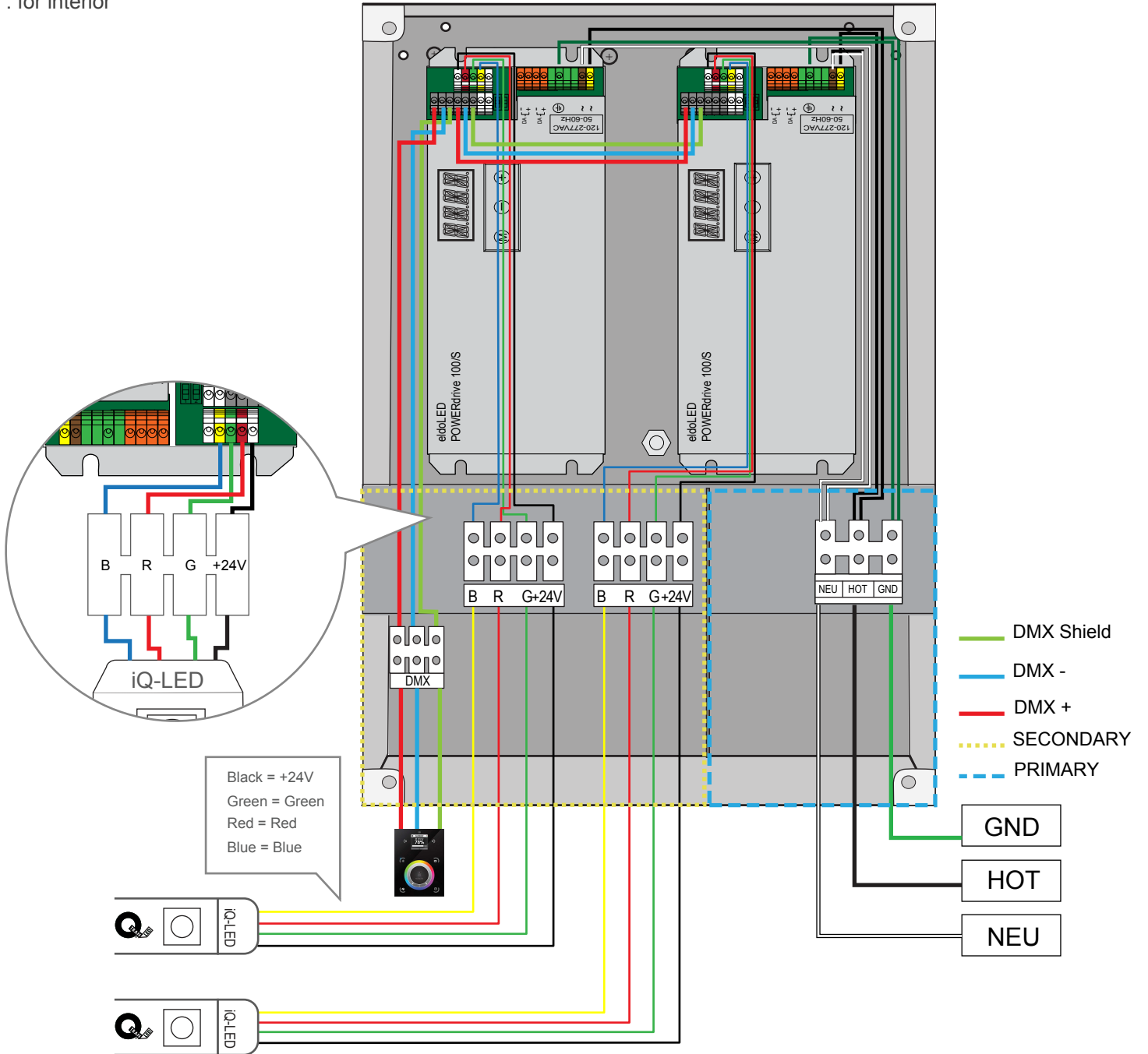


Hue Bin	R <sub>f</sub>	Graphics Shift	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

iQ LED TAPE LIGHT IP20  
**POWER SUPPLY**

**QTM-DRIVE**

: for interior



iQ LED TAPE LIGHT IP20  
**POWER SUPPLY**

**QTM-eLED+DMX**

: for interior

